CHAPTER I

INTRODUCTION

A. Background

The rate of population growth higher resulting in the emergence of demand will increase the availability of fasilities needed to man. The increase in the economic sector, and tourism resulted in necessity of building hotels, hospitals, etc. are growing. Thereforce, planning a proper building badly needed.

As increasing needs for the building, then the availability of the land becomes less and less. One way to overcome this is by doing contruction in vertical with construction of high rise buildings. In planning the construction of multilevel should pay attention to a few important factors, including the strength, safety, and economy.

Before implement the construction of the first building construction is done, the situation is certainly the foundation. The foudation is part of the structure of the building bearing down load that worked on it.

The foundation as structure under in general divided into two types of the foundation. Example the deep foundation : driven piles and bored piles. While example the shallow foundation : raft foundation, footplat foundation and construction spider-web foundation.

In project hotel Brother 2 Solo Baru the foundation used is thedriven piles foundationwhere the foundation it was the kind of deep foundation. In this case the author tried to analyzing the building Hartono Mall Jogja with the contruction spider-web foundation (KSLL).

B. Problem Formulation

In preparing of final report of this problem only focusing on the under structure especially in analysis construction spider-web foundation (KSLL) that reviewed in terms of bearing capacity and reinforcement on hotel Brother 2 Solo Baru building.

C. Aims

The purpose of writing the final report is:

a) Determining bearing capacity in construction spider-web foundation on hotel Brother 2 Solo baru building.
b) Determining the reinforcement in construction spider-web foundation on hotel Brother 2 Solo baru building.

D. Benefit

The final report is expected to beneficial to :

a) Adding insight into the driven piles foundation and construction spider-web foundation against a reader have a need for planning foundation.
b) Student and other parties to discuss same final report.
c) Parties who need information and learn related discussed in the final report.

E. Limit Problems

To resolve the writing limit the issue as follows :

a) Reviewed secondary data hotel Brother 2, solo baru.
b) Planning the construction spider-web foundation (KSLL).
c) Counting bearing capacity construction spider-web foundation (KSLL).
d) Counting the reinforcement construction spider-web foundation (KSLL).

F. Similar Research

In this final report titled "REDESIGNING FOUNDATION OF HOTEL BROTHER 2 SOLO BARU FROM DRIVEN PILE TO SPIDER-WEB FOUNDATION" has similarities with Ath Thaariq Brilliant, Tri Joko Wahyu Adi, Trihanyndio Rendy Satrya (2013) with a title "ANALYSIS ALTERNATIVE SELECTING SYSTEM THE FOUNDATION IN BUILDING CAMPUS ABC BALIKPAPAN-KALTIM IN TERMS OF THE ASPECT TECHNICAL, COST AND TIME". But having the difference between other : type of building

researched different and author only research driven piles and construction spider-web while researchers above research driven piles, bored piles and construction spider-web.

With Ricke Annette Hp and Sri Hartati (2007) with a title " PLANNING THE FOUNDATION KSLL (CONSTRUCTION SPIDER-WEB) ON PROJECTIN PATIENT INSTALLATION FOUNDATION ISLAM HOSPITAL SURAKARTA". Author have differences among other: author analyze bearing capacity, time of work and cost the project, but researchers second only research bearing capacity building. And author also comparing driven piles and construction spider-web but researches above not do it.